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DDESB-KT (AMCPM-AL/23 Apr 91) (385-A) 2nd End Dr. Canada/tm/
325-8624
SUBJECT: Sand Grid Wall

Department of Defense Explosives Safety Board, 2461 Eisenhower
Avenue, Alexandria, VA 22331-0600 24 JUN 1991

FOR DIRECTOR, US ARMY DEFENSE AMMUNITION CENTER AND SCHOOL,
ATTN: SMCAC-ESL (C. DOYLE), SAVANNA, IL 61074-9639

1. References:

a. Technical Data Package (TDP), U.S. Army Ballistic Research Laboratory (USBRL), Jan 1991, Ammunition Quickload Program, Barriers for Truck Protection Sand Grid Wall.

b. NMT/TERA NO. T-91-181-U, 18 Jan 1991, Sand Grid Barrier Test Results, Ammunition Quickload Test Series.

c. U.S. Army Defense Ammunition Center and School letter of 8 Feb 1991, same subject as above.

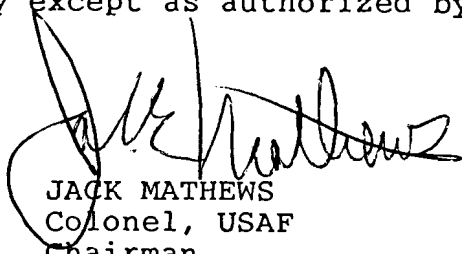
2. Information submitted with this safety analysis has been reviewed with respect to explosives safety. The proposed Sand Grid Wall barrier system to limit the maximum credible event to one truck is approved for M549, M549A1, M718, and M741 munitions and their associated propellant charges provided:

a. The application is limited to Theaters of Operation.

b. The maximum number of 155 mm projectiles and associated propulsion charges on an uploaded truck shall be one hundred and sixty (160).

c. Inhabited Building and Public Traffic Route distances are 1800 and 1080 feet respectively except as authorized by Chapter 10 of DoD 6055.9-STD.

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JACK MATHEWS
Colonel, USAF
Chairman

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